Assignment for Day 3 😃 🌿 🚀

1. **List all the Escape Sequences characters in JavaScript.**

   \b backspace

   \f form feed

   \n line feed

   \r carriage return

   \t horizontal tab

   \v vertical tab

   \0 null character

   \' single quote

   \" double quotes

   **** backslash

2. **Explain with example length and substring methods in JavaScript**

   => The **length** property of a String returns the length of that string variable.
   Ex:

   > const str = 'Hello World!!!'

   > str.length; //=> 14

   The **Substring** method takes the two indices *(start, end(optional))* from which it generates a substring when called upon a string.

   Ex:

   > str.substring(2,5); //=> 'llo '

   str.substring(6); //=> 'World!!!'

3. **What are padStart and padEnd in JavaScript, explain with an example.**

=> The **padStart**() and **padEnd**() methods pads the current string with another string (multiple times, if needed) until the resulting string reaches the given length. The padding is applied for the start and end of the current string respectively.

Ex:

const str1 = '6';

str1.padStart(2, '9'); // '96'

str1.padEnd(2, '9'); // '69'

4. **Define Global Object in JavaScript along with the global scope.**

=> **Global scope**: A variable declared outside a function or globally has global scope. That means all scripts and functions on a web page can access it.

Global object is an object that always exists in the global scope. In JS there's always a global object defined. In a web browser when scripts create global variables they are created as members of the global object. The *window* object is the global object in the browser and any global variable or functions can be accessed as *properties* of the *window* object

Ex:

var foo = 'foobar'

foo === window.foo; //returns true;

5. **List all the names of JavaScript engines present currently.**

=> **1. V8**

 2. Chakra

 3. Spider Monkey

 4. Webkit

 5. GraalVM